

# Atmospheric Sciences (AS)

## Division Meeting 2019

Annica Ekman and Athanasios Nenes

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EGU General Assembly | 8th-12th of April 2019



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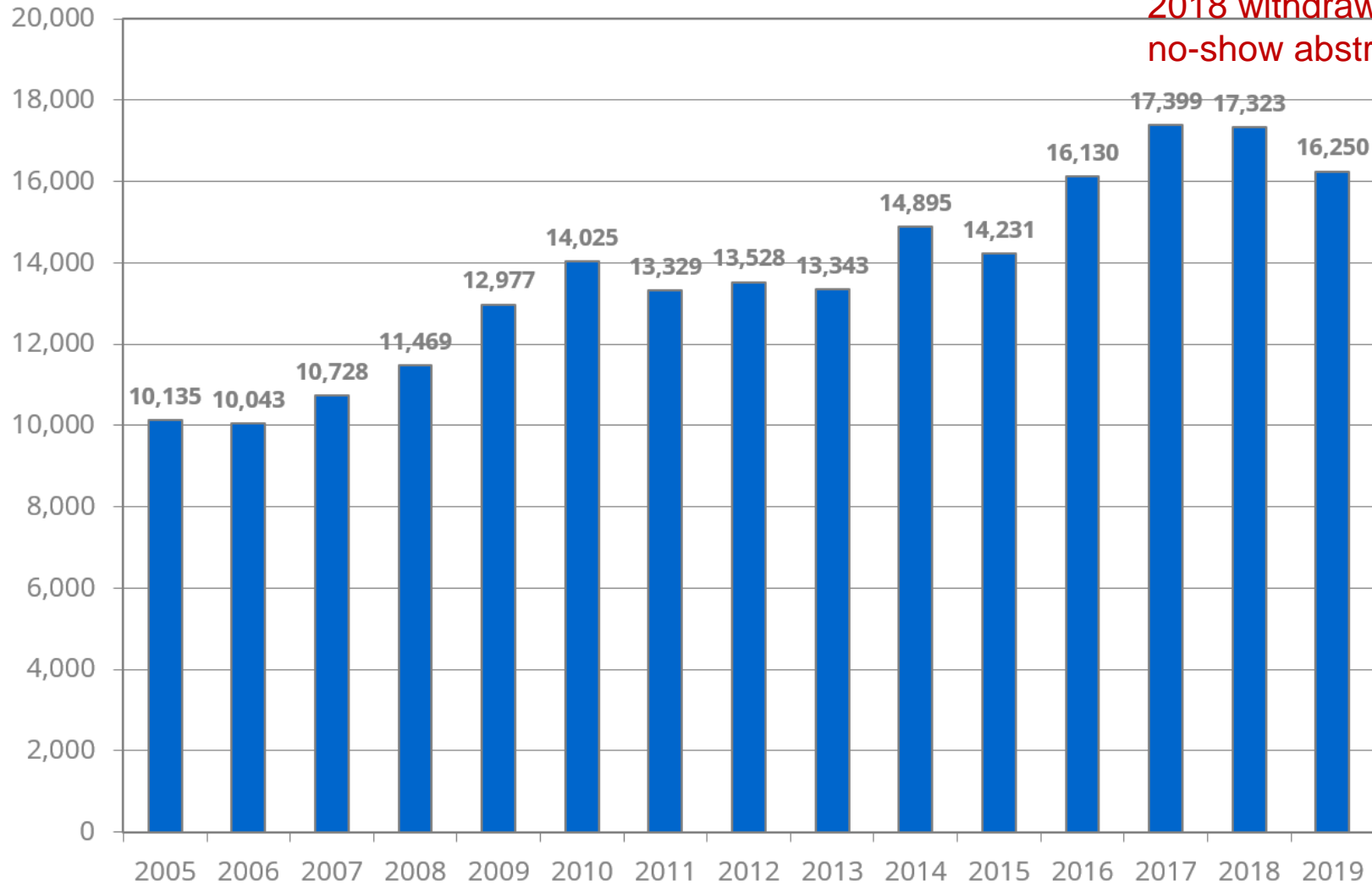
Meetings | Publications | Outreach | [www.egu.eu](http://www.egu.eu)

# AS Division meeting agenda

1. EGU GA in 2019
2. AS at EGU GA in 2019
3. AS Medalists and awards (including **approval of Medal Committee**)
4. Early Career Scientists
5. New AS President and Deputy President
6. AS structure (**needs approval**)
7. Meetings, outreach, education and journals
8. Future Assembly
9. Any other business

# EGU GA 2019

## Papers in programme 2005–2019

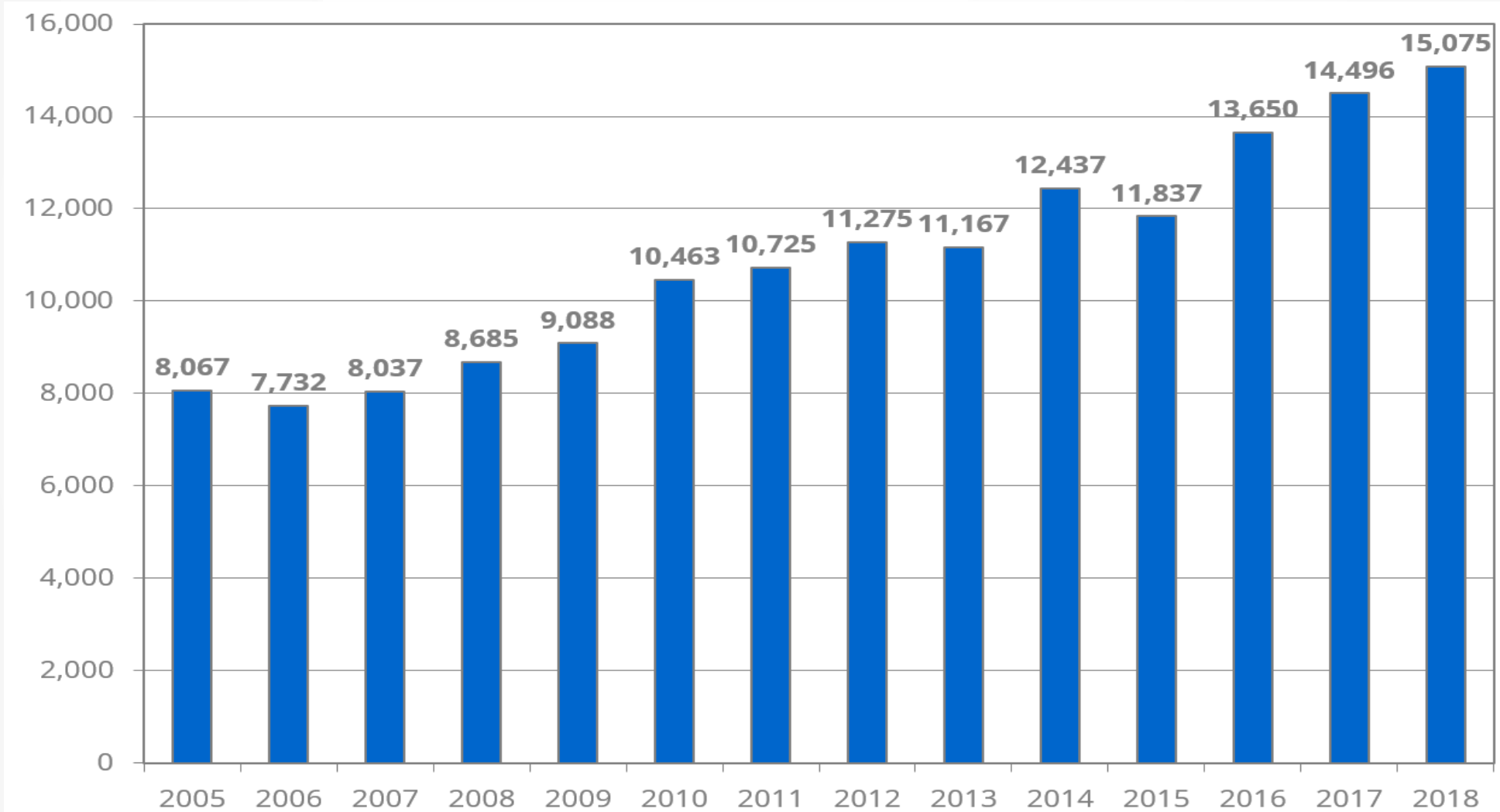


2018 withdrawal of no-show abstracts

2019 one first-author abstract rule

# EGU GA 2019

## Participants at EGU Assemblies 2005–2018

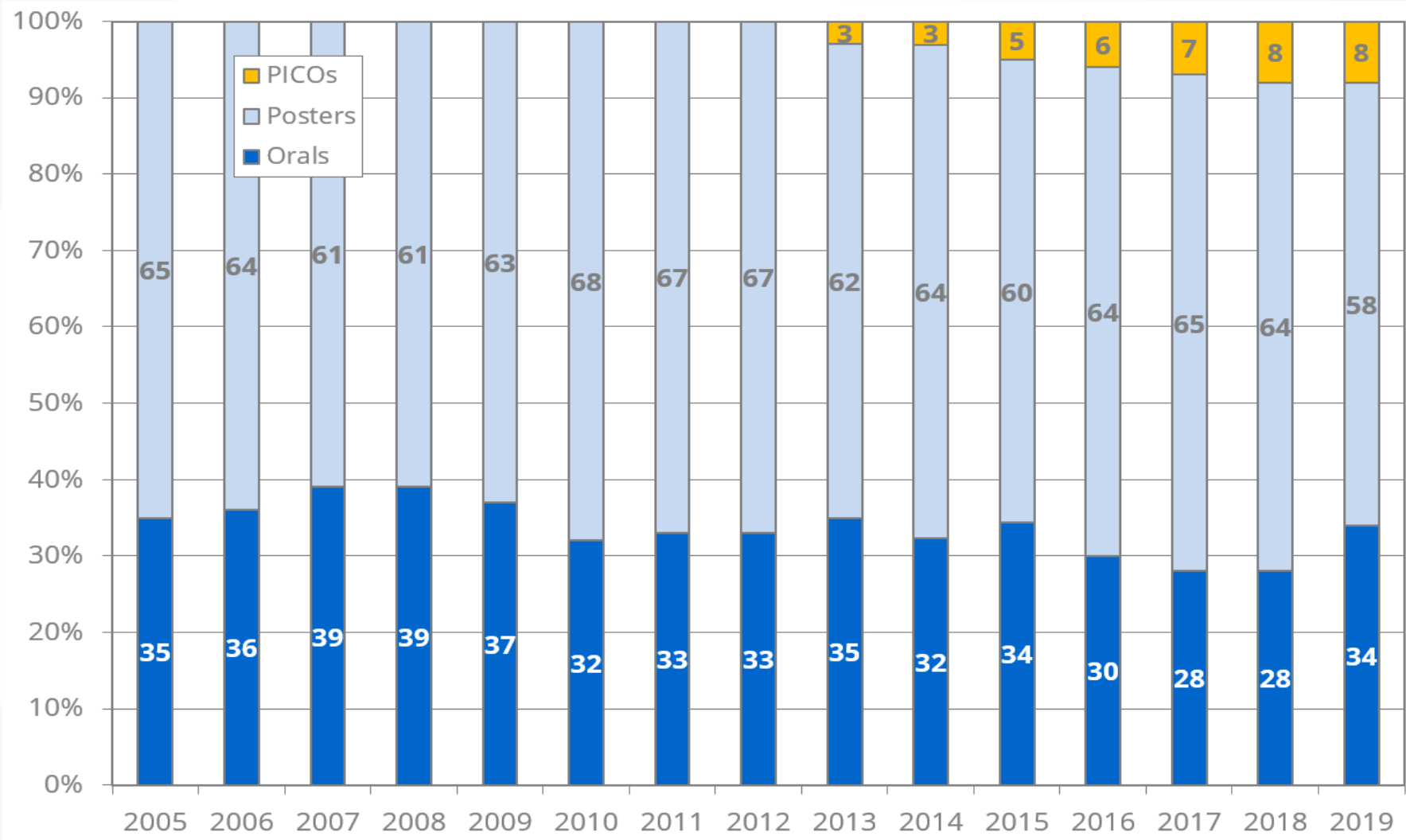


?

2019

# EGU GA 2019

## Presentation ratio at EGU Assembly 2005–2019





## **PICO – Presenting Interactive Content**

**Every PICO author first presents his/her work orally (typically with a 2 minute presentation).** Afterwards, all session attendees have time to watch the presentation again, to discuss with the author and colleagues, and to network.

**Within the AS Division, there were seven AS-led PICO sessions this year :**

***AS1.16 Polar meteorology and climatology and their link to changes in the cryosphere***

***AS1.39 Process to cloud-scale modelling***

***AS2.3 Boundary layers in high latitudes***

***AS3.19 Atmospheric composition variability and trends***

***AS3.23 Anthropogenic methane emissions: Linking atmospheric observations with mitigation***

***AS4.22 Atmospheric composition, weather and climate in Sub-Saharan Africa***

***AS5.1 International Monitoring System and On-site Verification for the CTBT, disaster risk reduction and Earth sciences***

## EGU GA 2019: A completely new format

Block	Time	Activity
TB1	08:30 – 10:15	Posters, orals, PICOs
Break	10:15 – 10:45	
TB2	10:45 – 12:30	Posters, orals, PICOs
Lunch break	12:30 – 14:00	
TB3	14:00 – 15:45	Posters, orals, PICOs
Break	15:45 – 16:15	
TB4	16:15 – 18:00	Posters, orals, PICOs
TB5 - Break	18:00 – 19:00	Networking, extra poster viewing, exhibition, activities in the foyers
TB6	19:00 – 20:00	Townhalls, some short courses, some medal lectures

TB = Time Block

## EGU GA 2019: Networking time 18:00-19:00

- Meet colleagues!
- Extra poster viewing
- Visit exhibition
- Gather community pre-evening medal lectures/short courses/townhalls
- Artists-in-residence Foyer D
- Drink spots throughout the building (beer, non-alc beer, soft drinks)
- 'Meet the Talents' TU and TH, Green gallery
- Geoscience Games Night, WE, Foyer D
- Receptions at EGU booth, TU, WE and TH (diversity, journals)



## A greener General Assembly, attempts include:

The EGU and Copernicus are working towards minimising the GA's carbon footprint. We need everyone's help!

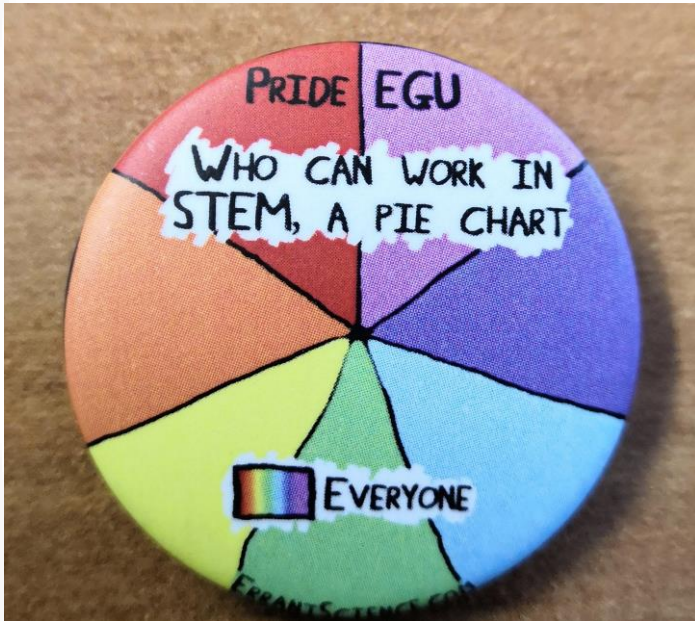
- Come by train when possible. SBB offers a discount for GA participants
- Offset CO2 emissions from your travel. On-site terminal in entrance hall
- EGU Today online only
- No programme book
- Carpeting in poster halls X only (required for noise reduction)
- Water fountains (no single use bottles) – bring your own water bottle
- Bring your own coffee cup

Townhall meeting 'The carbon footprint of EGU's General Assembly',  
Thursday, 19:00 – 20:00, room -2.47



## An inclusive General Assembly

- Please use gender-neutral language
- Informal Pride@EGU event TU, 15:00 – 16:00 ECS & Networking Zone



[errantscience.com](http://errantscience.com)



- Job presentations
- Interview rooms
- Open science clinique
- Job advert and cv posting pillar



## Meet the Talents

program#: JC1



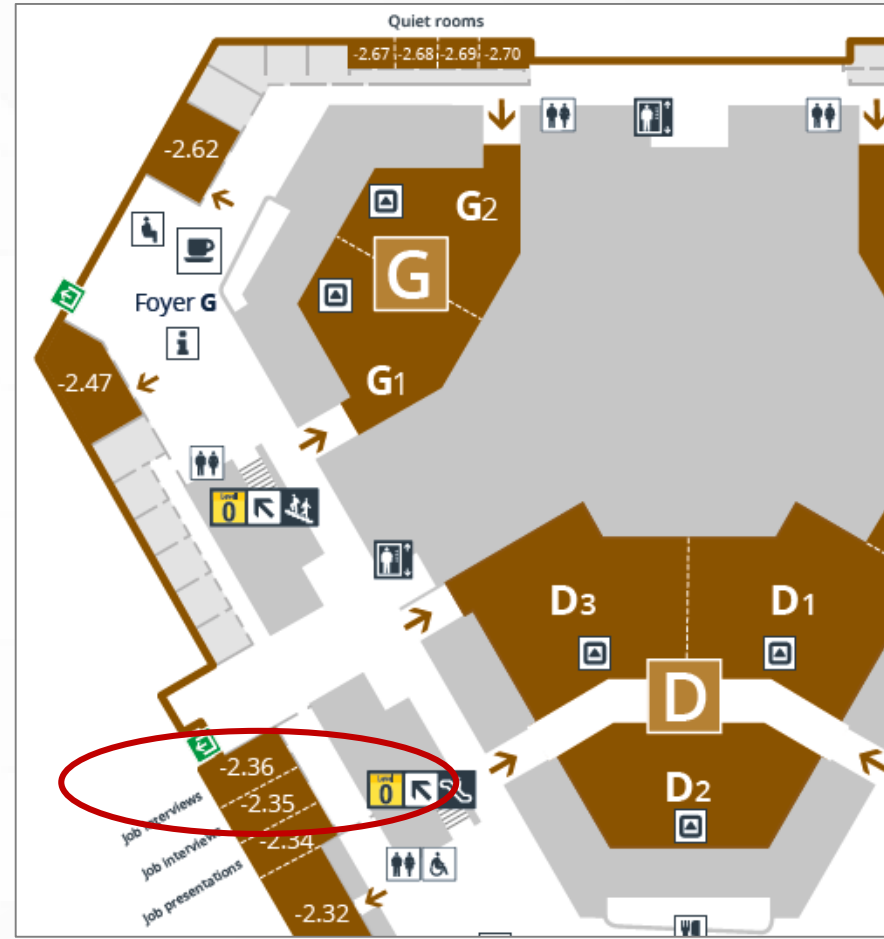
Job Seekers:  
Present Yourself



Prepare a <2 minutes pitch for your future employer:  
what are **YOUR** interests, skills and talents?  
why do **THEY** want **YOU**?

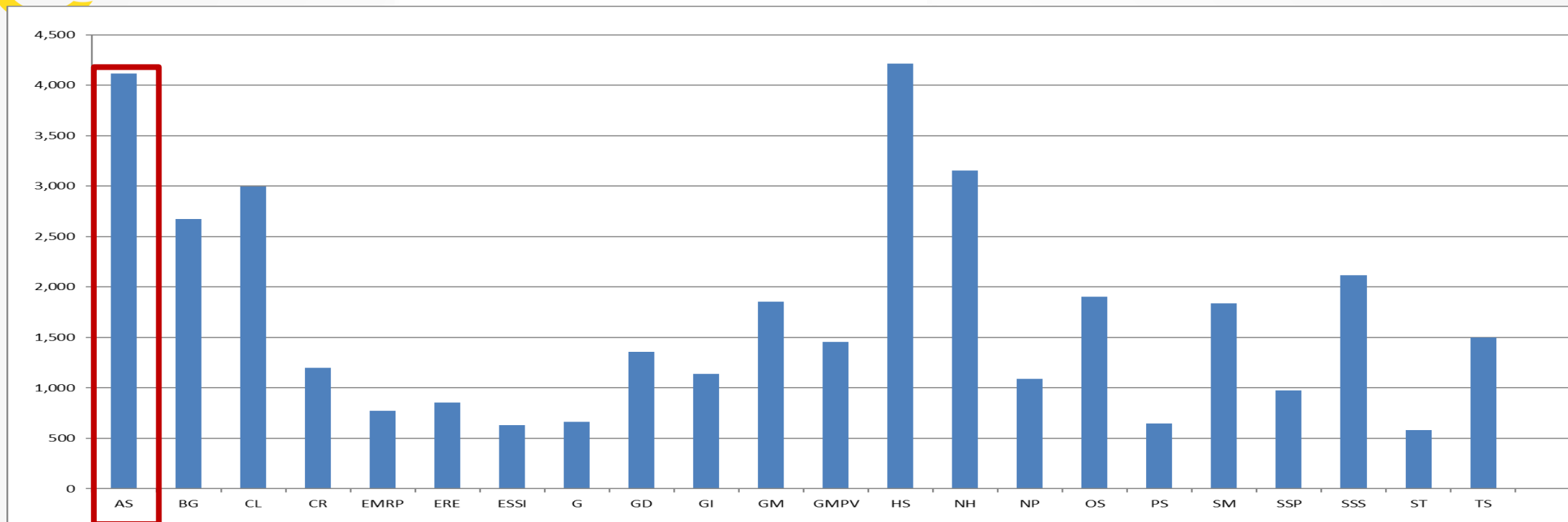
Tue 9 **AND** Thu 11 April, between 18:00 - 19:00 **the stage is yours!**

\*no subscription needed, just show up! where: EXHIBITION SPOT 1ST FLOOR



## GA2019 Some further selected items

- **Coffee spots** in poster halls as well as all four floors of the ACV
- **Beer spots** in poster halls and in the exhibitions (beer, non-alc beer, soft drinks)
- **Science-and-Society events:**
  - SCS1 Science, Politics and European (dis)integration: A conversation of Geoscientists with Ilaria Capua and Mario Monti
  - SCS2 Plastics in the Hydrosphere: An urgent problem requiring global action
- **Public lecture** by Insa Thiele-Eich, Meteorologist and astronaut in training, TH 19:00, Natural History Museum
- **Networking & ECS Zone** (red level)
- **Conveners: remember to register for the convener reception! (by Wednesday)**



2017 1.699 AS-led session abstracts

2018 1.863 AS-led session abstracts

2019 1.835 AS-led session abstracts (1.5% decrease relative to 2018)

**including the co-organized sessions AS collected 4118 papers in 2019**

in 62 AS led sessions and in 92 co-organized sessions

(substantially more AS sessions compared to 2018, almost as many as HS)

# AS Division Presentations

- 4,118 papers in programme (total Assembly: 16,250)
- 1,453 oral presentations (35%) (total Assembly: 5,526 = 34%)
- 2,346 posters (57%) (total Assembly: 9,432 = 58%)
- 319 PICOs (8%) (total Assembly: 1,287 = 8%)
- Early Career Scientist Travel Award: 17 (1%) (total Assembly: 274 = 2%)

# AS Division Presentations

**AS sessions Monday 9<sup>th</sup> to Friday 13<sup>th</sup> (8:30-19:00 all days!)**

- 15 AS-led sessions Monday
- 14 AS-led sessions on Friday

Posters and oral sessions are always close in time. Poster session is generally after oral session, but sometimes before.

**Continued from last year: snacks at the Friday poster session! 😊**



**Please  
Give Us  
Feedback!**

**Promotion**

- via email to participants and EGU members after the GA
- terminal also available at EGU booth
- links on social media & blog
- [egu2019.eu](http://egu2019.eu) website
- Flyers/cards in Vienna

[www.egu2019.eu/feedback](http://www.egu2019.eu/feedback)

**Survey live** during the GA and until 09.06



# AS Division Awards and Medals

- **Vilhelm Bjerknes Medal**
- **AS Division Early Career Scientist Award**  
(is also nominated for the Union Arne Richter Award for Outstanding Early Career Scientist)
- **EGU Outstanding student poster and PICO (OSPP) award**

# Wilhelm Bjerknes Medal 2019

Johannes (Jos) Lelieveld (Max Planck Institute, Mainz)



*“... outstanding ability to identify key scientific questions and address them by combining observations, laboratory studies, and numerical modeling.”*

# EGU Medals and Awards

2020 nominations

**SUBMISSION DEADLINE**

15 June 2019

- Nomination letter (1 page)
  - CV (2 pages)
- Selected biography (2 pages)
- Support letters (3 to 5, 1 page each)

Submission procedures and nomination details are provided at  
the EGU web site:

[www.egu.eu/awards-medals](http://www.egu.eu/awards-medals)

## Vilhelm Bjerknes Medal Committee (for 2019)

**Chair:**



John Plane  
(winner 2017)

**Members:**



Jos Lelieveld  
(winner 2019)



Oksana Tarasova  
(former AS Division  
president)



Pinhas Alpert  
(winner 2018)

**Needs to be approved**

# AS Division Early Career Scientist Award 2019

Gabriele Messori (Uppsala University)



*"... for seminal contributions to the understanding of planetary wave-breaking phenomena, atmospheric extreme events and the energetics of the climate system using dynamical systems theory."*

# Early Career Scientist Award

2020 nominations

SUBMISSION DEADLINE

15 June 2019

AS Division may select/award ONE person.

[www.egu.eu/awards-medals](http://www.egu.eu/awards-medals)

- Nomination letter (1/2 page)
  - CV (1 page)
- Selected biography (1/2 pages)

Early Career Scientist:

By 1 January of year award presented:

be an undergraduate or postgraduate student, or received his/her degree within last 7 years

[Where appropriate, up to one year of parental leave may be added per child.]

# EGU Outstanding Student Poster and PICO (OSPP) award 2018

2 main targets:

- To foster the excitement of younger colleagues in presenting their work in form of a poster or PICO.
- To further improve the overall quality of poster and PICO presentations

<http://www.egu.eu/awards-medals/union-ospp-award/>

# EGU Outstanding Student Poster and PICO (OSPP) award winners 2018

- **Carlo Cafaro** "*Characteristics of colliding density currents: a numerical and theoretical study*"
- **Dan Weaver** "*Intercomparison of High Arctic satellite water vapour measurements at Ellesmere Island, Nunavut*"
- **Evgenia Galytska** "*NO<sub>2</sub> and O<sub>3</sub> changes in tropical mid-stratosphere during 2004-2012 by means of a chemistry-transport model*"
- **Hans Brenna** "*Global ozone depletion and increase of UV radiation caused by pre-industrial tropical volcanic eruptions*"
- **Martina Bramberger** "*Turbulence encounter by the research aircraft HALO above Iceland*"
- **Simon Warnach** "*Bromine monoxide measurements in volcanic plumes from S5-P/Tropomi*"





# EGU Outstanding student poster and PICO (OSPP) award 2019

- 206 applications have been submitted in AS division
- Currently being evaluated by OSPP judges
- OSPP judges **are nominated by session conveners**

OSPP contest coordinator in AS

2018:

Prodromos Zanis



OSPP contest coordinator in AS

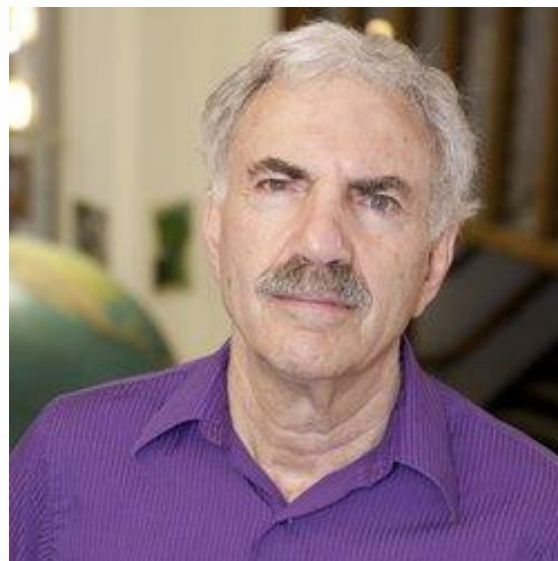
2019:

Ali Hoshyaripour



# Alfred Wegener Medal and Honorary Membership 2019

Michael L. Bender (Princeton University)



*“... for groundbreaking contributions to understanding the history of atmospheric composition..”*

# A new medal for the AS Division!

## Background:

- The AS Division is one of the largest within the EGU.
- The likelihood of receiving a medal for an AS member is much smaller than for other divisions.
- Difficult for mid-career scientists to get recognition.

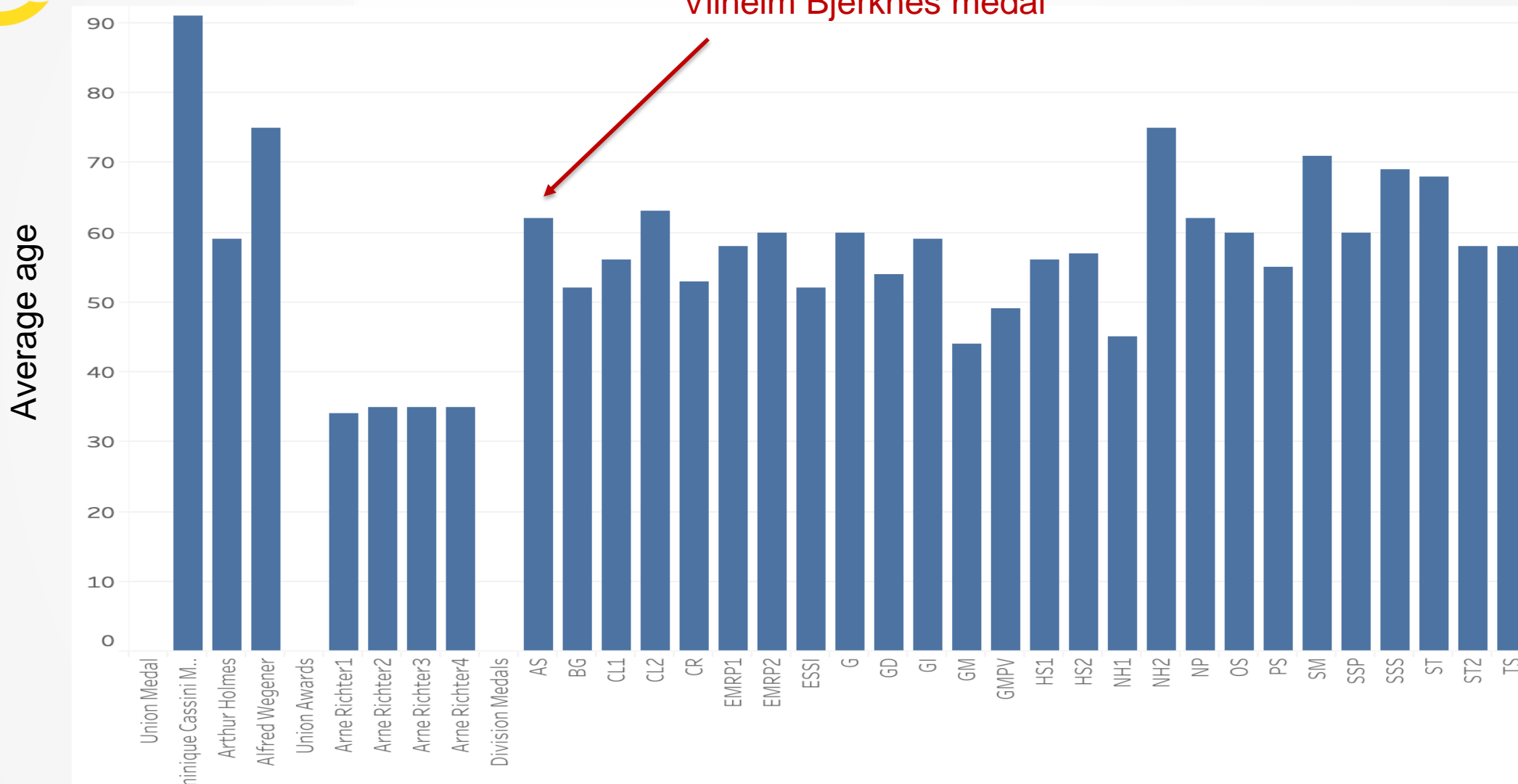
## Suggestion:

- A new medal - named after a famous (deceased) female atmospheric scientist.
- Focus on scientific excellence and scientists in the midst of their career.

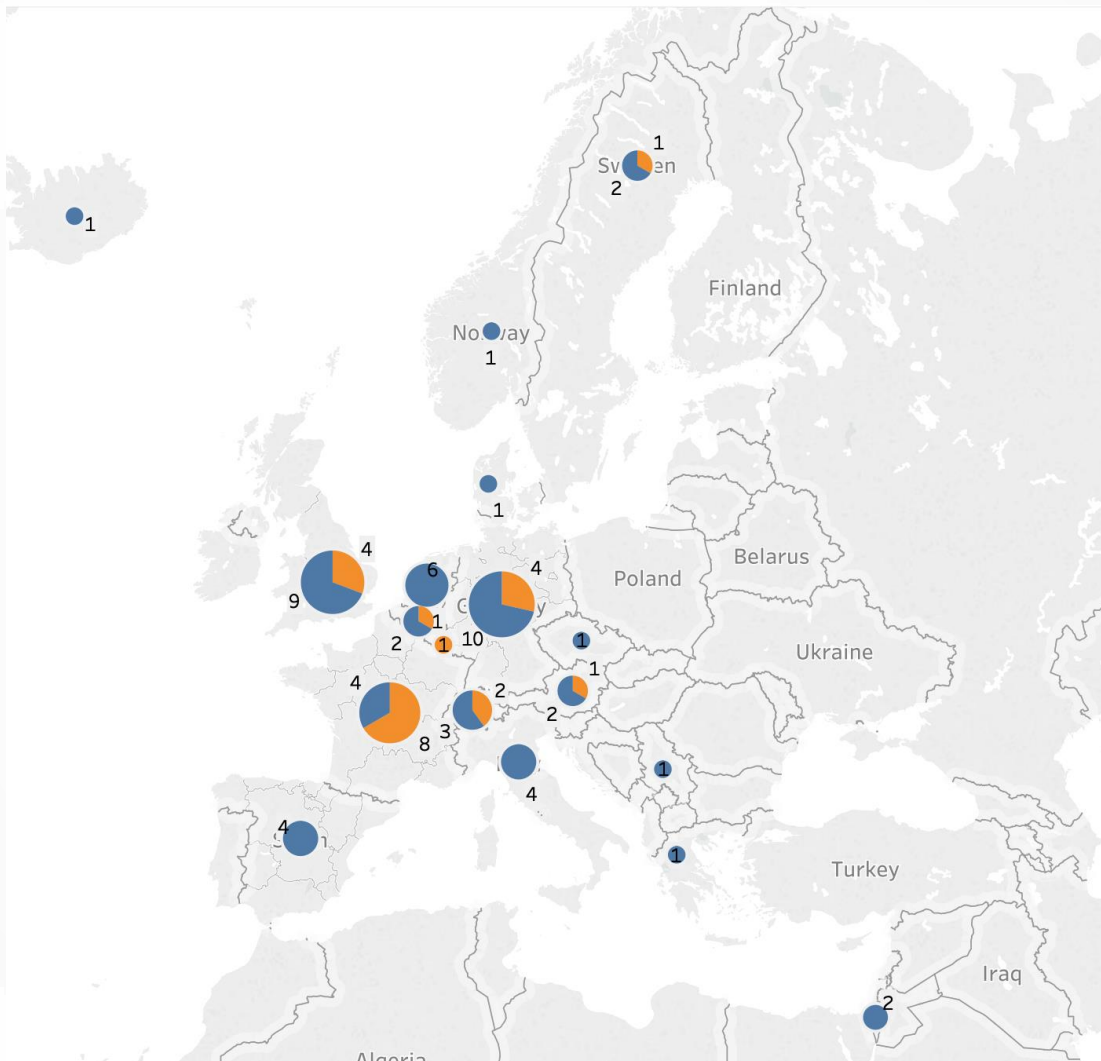
Please give feedback to: [as@egu.eu](mailto:as@egu.eu)

# Average age for obtaining an EGU union or division medal

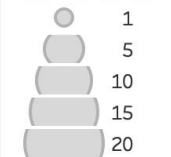
Vilhelm Bjerknes medal



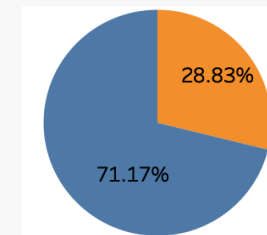
# UNION & DIVISION MEDAL NOMINATIONS



Count of Gender



Gender



# Outreach activities within Atmospheric Sciences Division

AS Web page: [as.egu.eu](http://as.egu.eu)



Heiko Bozem, AS Web master

EGU AS Blog ([blogs.egu.eu/divisions/as](http://blogs.egu.eu/divisions/as))



Dasaraden Mauree and Ali Hoshyaripour (AS Blog)

# EGU Early Career Scientists

([www.egu.eu/ecs/](http://www.egu.eu/ecs/))

ECS represent ~50% of the people attending the GA

Goals of EGU:

- Help ECS build a network
- ECS representation at EGU PC and Council
- Push ECS to be more involved in scientific life at EGU
- Encourage ECS to convene session

Outreach committee: mentoring program continues!

([www.egu.eu/outreach/mentoring/](http://www.egu.eu/outreach/mentoring/))

**More mentors are needed!**

# EGU AS ECS Team

## Highlights from GA 2018 and/or since

1. One short course co-organised by the former ECS-AS rep (Ali Hoshyaripour) in collaboration with other divisions at the GA 2018.
2. New elected ECS-AS rep (Fernando Iglesias-Suarez<sup>1</sup>) for the 2019-2021 mandate.
3. ECS-AS outreach team: Fei Luo<sup>2</sup> (blogging), Nuria Benavent<sup>3</sup> (Instagram) and David Garcia<sup>4</sup> (Facebook); stats since 2018:
  - 3 blogs (themes: clouds, aerosols & sea-ice interactions).
  - Instagram: 9 posts (~9 likes out of 77 followers).
  - Facebook: 14 posts (~236 likes out of 1k followers).



## Plans for GA 2019

1. One short course (SC3.16 ECS) co-organised in collaboration with other divisions.
2. Attendance to the “Informal ECS-rep catch-up” meeting.

## Any issues or support needs?

- People find difficult to get involved in the ECS-AS activities (time constraints).



## ECS : We Need You in Our Team!

### Feeds about:

- Extraordinary events interesting for public
- Research highlights in plain language
- Tell your research story



- » **Follow** us: Facebook, Instagram, Twitter ([@EGU\\_Atmos](#)),
- » **Subscribe** to the AS ECS email list on [www.egu.eu/as/home/](http://www.egu.eu/as/home/)
- » **Contact** us: [ecs-as@egu.eu](mailto:ecs-as@egu.eu)

**Contact Nando if you would like more information: [ecs-as@egu.eu](mailto:ecs-as@egu.eu)**

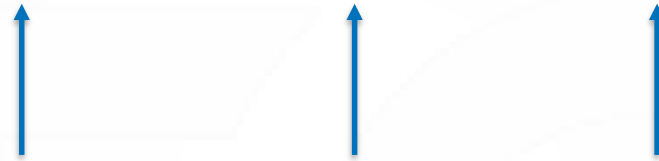
# Council























**Executive board:** president, vice-president, treasurer, general secretary, executive secretary (ex-officio)

**22 Division presidents**

**8 Committee chairs (ex-officio)**

**ECS Union level representative (ex-officio)**



-   
 Atmospheric Sciences Division
-   
 Climate: Past, Present & Future Division
-   
 Geosciences Instrumentation & Data Systems Division
-   
 Natural Hazards Division
-   
 Earth & Space Science Informatics Division
-   
 Geodesy Division
-   
 Geomorphology Division
-   
 Soil System Sciences Division
-   
 Biogeosciences Division
-   
 Planetary & Solar System Sciences Division
-   
 Cryospheric Sciences Division
-   
 Earth Magnetism & Rock Physics Division
-   
 Energy, Resources & the Environment Division
-   
 Geodynamics Division
-   
 Mineralogy, Petrology & Volcanology Division
-   
 Hydrological Sciences Division
-   
 Ocean Sciences Division
-   
 Seismology Division
-   
 Nonlinear Processes in Geosciences Division
-   
 Solar-Terrestrial Sciences Division
-   
 Tectonics & Structural Geology Division
-   
 Stratigraphy, Sedimentology & Palaeontology Division

EGU Members

# EGU AS in 2019

**Outgoing AS president:**

**Annica Ekman**



**AS president 2015-2019**

**Incoming AS president:**

**Athanasios Nenes**



**AS president 2019-2021**

# EGU AS in 2019

**Outgoing AS deputy president:**

**Oksana Tarasova**



**AS president 2011-2015**

**Incoming AS deputy president:**

**Annica Ekman**



**AS president 2015-2019**

# AS Division Structure

<b>President</b>	Athanasios Nenes
<b>Deputy President</b>	Annica Ekman
	Rune Grand Graversen
	<i>Meteorology</i>
<b>Science Officers</b>	Hinrich Grothe
	<i>Atmospheric Chemistry and Aerosols</i>
	Jordi Vila
	<i>Boundary Layer Processes</i>
<b>Awards &amp; Medals</b>	John M. C. Plane
<b>News</b>	Heiko Bozem
<b>Outreach &amp; Education</b>	Oksana Tarasova
<b>Division Liaison</b>	Yafang Cheng
<b>OSPP Coordinator</b>	Ali Hoshyaripour
<b>Webmaster</b>	Heiko Bozem
<b>ECS Representative</b>	Nando Iglesias Suarez

**Needs to be approved**

- EGU Newsletter
- News and Media (e.g. Press conferences at the EGU)
- Blogs and social media
- Science policy events
- Networking opportunities
- EGU TV
- **EGU GA Mentoring Programme (2019: 161 mentees matched with 104 mentors)**
- Public engagement grants
- EGU Public lecture:
  - Speaker: Insa Thiele-Eich, German meteorologist and astronaut in training: ‘Vom Alltag zwischen Atmosphäre und Orbit – ein Bericht’. Vienna Natural History Museum, Thursday, 11 April, 19:00.

# EGU Topical Events

- **EGU Galileo Conferences:** address well-focused cutting-edge topics at the frontier of geosciences research. Submission periods are usually from 1<sup>st</sup> of December until end of February of the following year
- **Conferences series:** EGU currently sponsors 7 conference series related to EGU divisions.
- **Training schools** (formerly: co-sponsored events): 17 training schools supported in 2019. Call for 2020 will open 1<sup>st</sup> of June.

- Geosciences Information for Teachers (GIFT) workshops.
- Collaborative workshops – for teachers and university students.
- Planet press – geoscientific news for children.
- Teacher's corner – teaching resources in geosciences.
- GeoLocations Database – geological locations across Europe.



# Communication at the General Assembly

## EGU Today

- Daily newsletter highlighting scientific sessions, short courses and other activities at the Assembly
- New this year: digital only, available at [www.egu.eu/egutoday/](http://www.egu.eu/egutoday/) and through the GA app

## Blogs

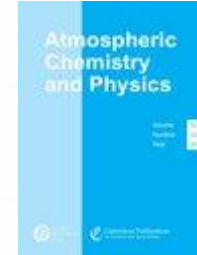
- GeoLog, the EGU Blog Network & EGU Division Blogs will be sharing great sessions, research, interviews and more throughout the Assembly
- Follow them at [geolog.egu.eu](http://geolog.egu.eu) and [blogs.egu.eu](http://blogs.egu.eu)

## Social Media

- Sessions will be advertised on Twitter ([@EuroGeosciences](https://twitter.com/EuroGeosciences)) and Facebook (**European Geosciences Union**)
- For behind the scenes access to the conference follow us on Instagram ([@EuroGeosciences](https://www.instagram.com/EuroGeosciences))
- Participants can ask questions & keep updated by following the meeting hashtag **#EGU19**

## Atmospheric Chemistry & Physics (ACP)

Impact factor 5.5

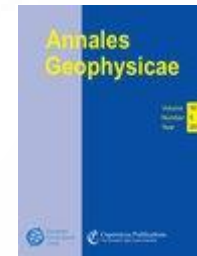


## Atmospheric Measurement Techniques (AMT)

Impact factor 3.2

## Annales Geophysicae (ANGEO)

Impact factor 1.6



## Geoscientific Model Development (GMD)

Impact factor 4.3

14 more journals on Biogeosciences, Climate, Cryosphere, Earth System Dynamics, Hydrology, Natural Hazards, Oceans, Soil ...

### New Journal! Geoscience communication



## **EGU General Assembly 2020**

3-8 May(!) 2020

EGU stays in Vienna (at least until 2024)

### **Information for (old and new) conveners for 2020:**

- Still no “automatic” transfer of sessions from 2019 to 2020 (all conveners need to submit session suggestion)
- 24th of June - 5th of September: call for sessions
- 9<sup>th</sup> of September – 9<sup>th</sup> of October: Session program finalization

# EGU2019 Rules and guidelines – to be continued

- No solicited presentations by conveners: “Authors (first and co-authors) cannot have a solicited presentation in a session they (co-)convene. (Co-)conveners cannot be presenting author, and are discouraged from being co-author, on oral presentations in a session they convene.”
- 1 abstract rule: “Authors are allowed as first author to submit either one regular abstract plus one abstract solicited by a convener, or two solicited abstracts. A second regular abstract can be submitted to the EOS programme group. ”
- Number of conveners on a session: At session submission minimum 2 and maximum 5 conveners
- Number of convenerships as a guideline: A maximum of three (co-)convenerships total, with one as lead convener. Short Courses are exempted from the guideline on number of convenerships.
- Diversity: We strongly encourage convener teams to reflect (i) multiple countries and institutes and (ii) different career stages, and especially to include early career scientists, and (iii) gender diversity.

## EGU GA 2019: Many news – we will evaluate

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Please give feedback also to: [as@egu.eu](mailto:as@egu.eu)

**Thank you!**

EGU